Adabas Console Messages (ADAN* & ADACM*)

The following messages may be displayed on the operator console during an Adabas session. Each message number is followed first by either:

- "ADAB" for Adabas SVC module messages; or

- the database identification (DBID) of the physical database for which the message applies.

Then follows the error date and time and finally the message text. The console messages have the same general format:

```
ADANnn database ID yyyy-mm-dd hh:mm:ss message text
```

Because of space restrictions, the message descriptions are shown here without the database ID and date/time portion of the message.

Note:
Some message numbers have been assigned to more than one message text.

- ADANnn Console Messages

- ADATCP Messages (Prefix ADACM)

ADAN*nn* Console Messages

Overview of Messages

ADAN01	ADAN02	ADAN03	ADAN04	ADAN05	ADAN06	ADAN07	ADAN08
ADAN09	ADAN10	ADAN11	ADAN12	ADAN13	ADAN14	ADAN15	ADAN16
ADAN17	ADAN18	ADAN19	ADAN20	ADAN21	ADAN22	ADAN23	ADAN24
ADAN25	ADAN26	ADAN27	ADAN28	ADAN29	ADAN2A	ADAN2B	ADAN2C
ADAN2D	ADAN2E	ADAN30	ADAN31	ADAN33	ADAN34	ADAN35	ADAN36
ADAN41	ADAN42	ADAN43	ADAN44	ADAN45	ADAN46	ADAN47	ADAN48
ADAN49	ADAN4A	ADAN4B	ADAN4C	ADAN4D	ADAN4E	ADAN4F	ADAN50
ADAN51	ADAN52	ADAN53	ADAN54	ADAN55	ADAN56	ADAN57	ADAN58
ADAN59	ADAN5A	ADAN60	ADAN61	ADAN62	ADAN69	ADAN70	ADAN75
ADAN76	ADAN77	ADAN78	ADAN79	ADAN7A	ADAN7C	ADAN7D	ADAN80
ADAN81	ADAN82	ADAN83	ADAN84	ADAN85	ADAN86	ADAN87	ADAN88
ADAN89	ADAN8A	ADAN8B	ADAN8C	ADAN8D	ADAN8E	ADAN8H	ADAN8J
ADAN8K	ADAN8L	ADAN8M	ADAN8O	ADAN8P	ADAN8Q	ADAN8R	ADAN8S
ADAN8T	ADAN8U	ADAN8V	ADAN8W	ADAN8Y	ADAN8Z	ADAN90	ADAN91
ADAN92	ADAN93	ADAN94	ADAN95	ADAN96	ADAN97	ADAN98	ADAN99
ADAN9A	ADAN9B	ADAN9C	ADAN9D	ADAN9E	ADAN9F	ADAN9H	ADAN9I
ADAN9J	ADAN9K	ADAN9L	ADAN9M	ADAN9N	ADAN9O	ADANA1	ADANA2
ADANA3	ADANA5	ADANA6	ADANA7	ADANA8	ADANA9	ADANAA	ADANAB
ADANAC	ADANAD	ADANAE	ADANAF	ADANAG	ADANAL	ADANAX	ADANC1
ADANC2	ADANC3	ADANC4	ADANI2	ADANI4	ADANI5	ADANL0	ADANL1

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ADANL2  | ADANL3  | ADANL4  | ADANL6  | ADANL7  | ADANL9  | ADANN1  | ADANO1  |
ADANO2  | ADANO5  | ADANP1  | ADANP2  | ADANP3  | ADANP4  | ADANR1  | ADANR2  |
ADANRP  | ADANRR  | ADANRS  | ADANRT  | ADANS1  | ADANS4  | ADANT1  | ADANT2  |
ADANT4  | ADANT5  | ADANT6  | ADANT7  | ADANT8  | ADANT9  | ADANTA  | ADANTB  |
ADANTC  | ADANTD  | ADANTE  | ADANTF  | ADANTG  | ADANTH  | ADANTI  | ADANTJ  |
ADANTM  | ADANX1  | ADANY1  | ADANY4  | ADANZ1  | ADEN1  | ADONIS1
```

ADAN01   **Adabas (vv . r . s) is active**
             Mode = {single | multi}
             Running {with | without} recovery-log

Explanation   The Adabas nucleus at release level *v.r.s* has been initiated successfully. Multi- or single-user mode is indicated, and whether the nucleus is running with or without the Adabas Recovery Aid (ADARAI) log.

ADAN02   **Nucleus-run {with | without} protection log**

Explanation   The Adabas nucleus session has been initiated and database protection logging either has or has not been specified. The subsequent execution of the REGENERATE and BACKOUT functions of the ADARES utility for any updates applied during the session is only possible when protection logging has been specified. However, transaction recovery for ET logic users is not affected by PLOG specification since data protection information for such users is still maintained on the Adabas Work file.

ADAN03   **Adabas coming up**

Explanation   Adabas session initialization is in progress.

ADAN03   **Initializing NUCID=*nnnnn* INTNUCID=*xx***

Explanation   Initialization is in progress for the specified external nucleus ID (*nnnnn*) with the specified internal nucleus ID (*xx*). This message is useful for determining the internal system-assigned nucleus ID associated with the external user-assigned NUCID.

ADAN04   **Abnormal end due to work overflow**

Explanation   The Adabas nucleus detected an overflow condition on the Work data set that could not be rectified by normal Adabas backout processing. The Adabas session was therefore terminated abnormally.

Action   Notify the DBA immediately.

ADAN05	**Warning. Now it is too late to copy DDPLOGR*n***
	FROMBLK=blk1, FROMTIME=timestamp1
	TOBLK =blk2, TOTIME=timestamp2
	00199 ERROR obtaining timestamp information
	00199 IOR function = *fx*, response = X'*nn*'

Explanation   Adabas has begun to write data protection log data to the data set identified by DD/PLOGRn. This means that the data set can no longer be copied to tape for subsequent use as input to the REGENERATE or BACKOUT functions of the ADARES utility. A user exit 2 (dual log processing) or a user exit 12 (multiple log processing) call either was not made or did not successfully copy the DD/PLOGRn data set with the ADARES utility.

Normally, the from and to blocks and the from and to timestamps being overwritten are given in the message. However if there was a problem obtaining this block and timeout information, the 00199 messages listed above may be issued.

ADAN05   **I/O error on PLOGR*n***

Explanation   An I/O error occurred on the dual or multiple protection log data sets. Processing continues without protection logging.

ADAN06   **Number of HQES = *nnn***

Explanation   This message is displayed in response to the operator command DNH. The number of ISNs currently in the Adabas hold queue is represented by "nnn".

ADAN06   **I/O error on SIBA**

Explanation   An I/O error occurred on sequential protection log SIBA. If the nucleus runs with PLOGRQ=YES, the nucleus terminate with user abend 22; otherwise, the SIBA is set to dummy and processing continues without protection logging.

ADAN07   **Current HQ is empty**

Explanation   This message is displayed in response to the operator commands DHQ or DHQA in the event that the hold queue is empty.

ADAN07   **SIBA is set to DUMMY**

Explanation   This message may follow an ADAN06 message.

ADAN08   **FILE=*file-number*, ISN=*isn*, USER=*userid*[,SHARED]**

Explanation   This message is displayed in response to the operator command DHQ or DHQA. For
                  each ISN in the hold queue, the file number, ISN, and Adabas-assigned ID of the user
                  for whom the ISN is being held is given.

                  If the user ID is not shown, a cluster nucleus (with Adabas Cluster Services or Adabas
                  Parallel Services) has issued a global hold request for the ISN, but has not yet reserved
                  the ISN for a particular user.

                  If the SHARED keyword is shown, the user has the ISN in shared hold status. Other
                  users, not shown, may have this ISN in shared hold status too.

ADAN08   **Rerun ADARES with larger LP-SIZE**

Explanation   The LP parameter specifies the number of blocks to allocate to the data protection area,
                  which is part 1 of the Work data set. This area must be large enough to accommodate
                  the data protection information for the current transaction for all ET Logic users.

ADAN09   **Number of UQES = *nnn***

Explanation   This message is displayed in response to the operator command DNU. "nnn" indicates
                  the number of user queue elements currently active.

ADAN10   **Current UQ is empty**

Explanation   This message is displayed in response to the operator command DUQ in the event that
                  there are no users currently active and/or the current UQ does not contain utility UQEs
                  (response to DUUQE).

ADAN11   **USER=*userid*, JN=*jobname*, TY=*t*, LA=*ns*, TID=*aaaaaaaa* (*xxxxxxxx*)**

Explanation   This message, a response to a DUQ, DUQA, or DUUQE operator command, provides the following information about each user:

userid	the Adabas-assigned user ID
jobname	the name of the related job
t	User type: A: access-only user E: ET logic user U: utility or Adabas Online System user X: exclusive update user
ns	time (in seconds) since the last activity
aaaaaaaa	terminal ID (alphanumeric)
xxxxxxxx	terminal ID (hexadecimal)

The terminal ID is the contents of the UQE.

ADAN12   **USER=*userid*, JN=*jobname***
                   TY=*t* , LA=*ns*
                   USERID=*op-userid*, ST=*status*, TRST=*m*, NF=*count*
                   FILE=*n(s)*,...*n(s)*

Explanation This message is displayed in response to the operator command DUQE. The following information is given for each user queue element:

userid	the Adabas-assigned user ID, or "WITHOUT USER-ID"
jobname	the name of the related job
t	user types: A: access-only user E: ET logic user U: utility or Adabas Online System user X: exclusive update user
ns	time (in seconds) since the last activity
op-userid	user ID assigned by user with OP command
status	user status: E: ET user in ET status -: ET user not in ET status T: timed-out user
m	time in seconds since start of transaction
count	number of files in the file list
n(s)...	"n" is the file number; "s" is the file status: A: being accessed by the user F: open for EXF user P: open for Adabas utility U: being updated by the user X: open for exclusive updating

ADAN13 **Number of posted CQES = *nnn***

Explanation This message is displayed in response to the DNC operator command. "nnn" indicates the number of posted command queue elements.

ADAN14   **Current CQ is empty**
                    USER=*userid*, JOBNAME=*jobname*
                    CMD=*cmd-code*, FILE=*fnr*, STCK=*timestamp*, IUBL=*buf-length*

Explanation   This message is displayed in response to the DCQ operator command. Unless the command queue (CQ) is empty, the message displays the following for each command queue element (CQE):

userid	the last eight bytes of the user's 28-byte communication ID presented in characters if it is readable or in hexadecimal if it contains noncharacter data.
jobname	the user's job name
cmd-code	the two-character Adabas command code
fnr	the Adabas file number specified in the command
timestamp	the machine time (in STCK format) as of when the command entered the command queue
buf-length	the total length of the buffers belonging to the command.

ADAN15   **LBP-size too small for the number of threads**

Explanation   The specified or available buffer pool space may not be large enough for the number of threads specified by the ADARUN NT parameter. This message is a warning. Adabas allocates 50 kilobytes per thread and processing continues.

Action   Either increase the buffer pool size (specified by the ADARUN LBP parameter) or decrease the thread count (with the ADARUN NT parameter). Restart Adabas. If the error occurs again, allocate more address space for the Adabas nucleus and check the session I/O statistics for buffer efficiency.

ADAN16   *ADARUN-parameter-settings*

Explanation   This message is displayed on the console in response to the operator command DPARM. The current setting for each ADARUN parameter specified for an Adabas nucleus is given using this message number.

Action   No action is required for this informational message.

ADAN17   **[special nucleus status indicators, if applicable]**
                    READ I/Os A=*nnn*, D=*nnn*, W=*nnn*
                    WRITE I/O A=*nnn*, D=*nnn*, W=*nnn*
                    Commands=*nnnn*,Buffer efficiency=*nn.n*
                    Fmt-Tran.=*nnn*,Fmt-Ovwr.=*nnn*
                    THREAD*thd*= *nnn* commands

Explanation　This message is displayed in response to the operator command DSTAT.

Except for the first optional message line, the messages display the following information:

Read I/Os A=*nnn*	physical read I/Os to Associator
Read I/Os D=*nnn*	physical read I/Os to Data Storage
Read I/Os W=*nnn*	physical read I/Os to Work
Write I/O A=*nnn*	physical write I/Os to Associator
Write I/O D=*nnn*	physical write I/Os to Data Storage
Write I/O W=*nnn*	physical write I/Os to Work
Commands=*nnnn*	number of commands processed
Buffer efficiency=*nn.n*	number of logical I/Os divided by number of physical I/Os
Fmt-Tran.=*nnn*	number of translations into internal format buffer
Fmt-Ovwr.=*nnn*	number of times an existing internal format entry format entry was overwritten
Thread*xxx*=*nnn* commands	number of commands processed in the specified thread. The nucleus omits threads in which no commands are executed.

The special nucleus status indicators that can occur in the first message are as follows:

Message Text	Explanation
ADAEND in progress	The Adabas nucleus is shutting down.
ET-synchronization in progress	New transactions are delayed until all open transactions are finished.
Online database save running	Update utility functions are rejected.
Online file save running	Update utility functions on the files being saved are rejected.
Exclusive-DB-control utility running	No other users can log on.
Read-only status	Update commands are rejected.
Read-only transition	Transition into read-only status.
UTI-only transition	Transition into utility-only status.
UTI-only status	Only privileged users such as the Adabas utilities and AOS can log on.
Update processing suspended	Update commands are delayed until normal processing resumes.

ADAN18   **THN=*nnn*, ST=*status*, USE=*ccc*

Explanation   In response to the operator command DTH, shows the following information for each
                   thread:

nnn	thread number	
status	thread status:	
	AA	Active
	RR	Ready to run
	UU	Unused
	WAP	Waiting for asynchronous post
	WE	Waiting for event
	WHQ	Waiting for hold queue space
	WI	Waiting for I/O
	WSP	Waiting for workpool space
	WLF	Waiting for logical buffer flush
	WPF	Waiting for physical buffer flush
	WP2	Waiting for PLOG write I/O
	WQE	Waiting for queued event
	WRB	Waiting for RABN
	WSE	Waiting for simple event
	WTI	Waiting for time elapse
	WW2	Waiting for WORK write I/O
	W*	Waiting for other event
ccc	count of commands processed by the thread	

ADAN19   **Buffer flush is asynchronous**

Explanation   This message and the asynchronous buffer flush occur when the ADARUN LFIOP
                   parameter specifies a nonzero value.

ADAN20   **ONLINE-DB-SAVE started**
                    PLOG-NR=*session-number***, BLK-NR=***block-number*
                    VOLSER-NR=*volume*

Explanation   Online execution of the ADASAV utility's SAVE database function has started. The
                    message shown above occurs for both database and file SAVEs and specifies the
                    following:

session-number	the number of the session with which SAVE begins.
block-number	the RABN block that specifies the SYN1 starting point of the SAVE.
volume	the current SIBA volume/serial number.

Action   Save this session/RABN information and the related PLOG and other SAVE output for
                    later ADASAV restore activity.

ADAN21   **Protection log DD/PLOGRN started**

Explanation   Adabas is now ready to begin writing data protection information to the dual or
                    multiple data protection log identified by DD/PLOGRn.

Action   Execute the PLCOPY function of the ADARES utility at this time.

ADAN22   **File dump online started**
                    DATASET-NR=*session-number***, BLK-NR=***block-number*
                    VOLSER_NR=*volser*

Explanation   The online ADASAV SAVE FILE execution has begun. The SAVE operation begins
                    with session *session-number*, using the SYN4 start point indicated by RABN
                    block-number.

Action   Save this session/RABN information and the related PLOG and SAVE output for later
                    ADASAV RESTORE activity.

ADAN23   *date time online process* {**started | partially done | done | stopped | terminated with
                    error**}
                    process-type, **FNR=***fnr*, **DE=***aa*

Explanation   An online process has started, is ongoing or has completed, terminated due to an error,
                    or was stopped. The type of process is displayed, as well as the file number and details
                    about the process as appropriate.

ADAN24   *date time* **DISPLAY PPT RABNs** *nnnn* **TO** *mmmm*

Explanation   In response to operator command DPPT (Display PPT), this and subsequent messages show the contents of the Participating Plex-ID Table (PPT).

ADAN25   **DIB block is currently empty**
                     JOBNAME=*jobname***, STARTTIME=***hh:mm:ss* **, LID=***userid*

Explanation   In response to operator command DDIB (display DIB block), this message either indicates an empty DIB block or provides the following DIB information:

jobname	job name
hh:mm:ss	job start time
userid	user ID assigned in the OP command

ADAN26   **Files locked=***file-number***, ...**

Explanation   In response to the DDIB operator command, this message displays the *file-number* of a file that is locked because it is being used by an Adabas utility.

ADAN27   **message**

Explanation

Message	**Explanation**
date time release DE Release done, FNR=*fnr* DE=*de*	The Release Descriptor function at the end of an aborted online invert process has released the descriptor shown for the file shown.
Release DE terminated due to error File will be locked completely FNR=*fnr* DE=*de* RESPONSE=*rsp*	The Release Descriptor function at the end of an aborted online invert process has failed with the response code shown. The file is locked.
date time release DE Function terminated	The Release Descriptor function at the end of an aborted online invert process has finished. If the online invert was processing an expanded file, the Release Descriptor function has been executed on all component files of the expanded file.

ADAN28   **High water marks**
                name value cur-value hw-value

Explanation   In response to the DRES operator command, this message displays the pool/queue allocated record count, current value, and highest value reached ("high water mark") for the current session. The second line of the message occurs once for each of the following pool or queue items:

name	is the pool or queue item:
	AB: attached buffer table
	CQ: command queue
	FI: internal format buffer pool
	HQ: hold queue
	TBI: ISN table
	TBS: sequential ISN list
	UQ: user queue
	WORK work pool
	WKP1 Work Part 1
	Note: The maximum pool value of Work part 1 is derived from the LP parameter. It corresponds to the maximum number of blocks a transaction can spend on Work Part 1 before Adabas decides to back it out.
	WKP2 Work Part 2
	WKP3 Work Part 3
value	is the maximum pool value for the related 'name'
cur-value	is the current record count in the pool/queue
hw-value	is the highest count of the maximum pool value used to this point in the current session.

ADAN29   **(No) users stopped**

Explanation   In response to the STOPI operator command, this message displays either as "users stopped" or "no users stopped", depending on the action performed by the STOPI command.

ADAN2A   **Overwriting PPT entry for NUCID=*nnnnn***

Explanation   There are already 32 entries in the parallel participant table. The nucleus ID entry
                  specified was inactive and is being overwritten.

ADAN2B   **Different work data set was detected**

Explanation   A Work data set was specified that is different from the one used in the previous
                  session. This message is displayed only when the previously used Work data set
                  contains a pending autorestart.

ADAN2C   **Unable to open or read previous work data set**

Explanation   A Work data set was specified that is different from the one used in the previous
                  session. An attempt to read the Work data set used in the previous session to search for
                  a pending autorestart failed.

ADAN2D   **Caution - pending autorestart detected**

Explanation   A Work data set was specified that is different from the one used in the previous
                  session. The previously used Work data set was read and contains a pending autorestart.
                  The ADAI63 message identifies the previous Work data set.

ADAN2E   **Warning - PLOG datasets have changed. PPT overwritten.**
                  Use ADARES PLCOPY NOPPT to copy previous PLOG datasets.

Explanation   The protection log (PLOG) data sets have changed from the previous session and the
                  previous PLOG data sets have not been copied. Because FORCE=YES was not
                  specified, the parallel participant table (PPT) entry for these data sets has been
                  overwritten.

Action   Software AG recommends that you use the ADARES PLCOPY NOPPT function to
                  copy the PLOGs from the previous session.

ADAN30   **FILES=*n,n, ...***
                  No files locked

Explanation   In response to the operator command DLOCKF, this message displays the files that
                  have been locked by LOCKF or LOCKU.

ADAN31   **FILE=*n*, ACC=*n*, UPD=*n*, EXU=*n*, UTI=*n***

Explanation   In response to the operator command DFILES, this message displays the number of
                  users currently active for the specified file.

ADAN33   **FILE=*n*, USAGE=*n***
                    FILE=*n* is not used

Explanation   In response to the operator command DFILUSE, this message displays the number of
                    active commands (USAGE=n) for the specified file (FILE=n), or that the specified file
                    does not exist in the database.

ADAN34   **No users stopped**

Explanation   In response to operator command STOPF, this message indicates that no users were
                    active when the command was issued.

ADAN35   *date time* **online processes:**
                    process-type **SORTSEQ=*file=fnr*, CUR-RABN=*rabn-nr*, CUR-ISN=*isn***
                    ID=*x'nnnnnnnn'*, {active | suspended}

Explanation   In response to the operator command DONLSTAT, this message lists all online
                    processes present in the nucleus session, the kind of process, the file number, the
                    current RABN or ISN (depending on the function), the ID of the process, and whether
                    the process is active or suspended.

ADAN36   *date time* **Dataset=*dsn***
                    *date time n***LOG number *x* has been {*deleted|added*}**

Explanation   A CLOG or PLOG data set has been dynamically added or deleted by an ADADBS
                    utility function or using the Adabas Online System (AOS). The CLOG or PLOG data
                    set name (*dsn*) and number (*x*) are given in the message.

ADAN41   **Function completed**

Explanation   The command or function issued was completed successfully.

ADAN42   *date time* **function accepted**

Explanation   The command issued was accepted by Adabas.

ADAN43   **Invalid type-in:** *request*

Explanation   Either the request *request* was invalid or it was not correctly entered.

Action   Check the request/command syntax and validity, then retry the request.

- A request to end a nucleus session with DUMP is invalid, and should not be retried.

- An operator command to change the cache space parameters for a file (CFILE) that has an existing cache space is invalid. It is necessary to first delete the existing cache space and then add a new one with different parameters.

ADAN44   **Function not executed**

Explanation   Adabas could not perform the function because of

- space restrictions;

- a conflict between the requested command/function and the system status.

Action   Check for other related messages, correct any previously indicated errors, then retry the operation. Otherwise, contact your DBA, system support personnel, or Software AG technical support.

ADAN45   *various*

Explanation   Various message texts are provided with message ADAN45:

ADAN45 Message Text	Explanation	Action
Online process not found	The process specified in the request or command is either not active or not known to the system.	Verify that the specified process is valid.
Suspe.by I-STATE waiting for post	The requested process is currently suspended.	Verify that the specified process is valid.
Transaction Manager not active	The Adabas Transaction Manager must be active for the specified function.	Verify that the Adabas Transaction Manager is active.
User does not exist	The user specified in the request or command is either not active or not known to the system.	Verify that the specified user ID is valid.

ADAN46   **Function not executable**

Explanation   The requested function/command was valid but could not be executed. This message may occur alone or preceded by one of the following ADAN46 messages, which provide reasons why the current nucleus status does not allow the requested function:

ADAN46 Message Text	Explanation	Action
Failed to acquire global parameter lock	An error occurred when a nucleus running in Adabas cluster mode attempted to acquire the global parameter lock in order to change a global Adabas parameter. The parameter was not changed.	Contact your Software AG technical support representative.
No online save is running	The RFDUMPST or RDUMPST request was rejected because no online save is running.	No action is required for this informational message.
Not yet supported by Cluster Services	The version of Adabas Cluster Services you are running does not support the requested function. The function is supported only by a nucleus running in noncluster mode.	No action is required for this informational message.
Online process running	The ADAEND request was rejected because an online reorder or online invert process is running.	Request ADAEND again after the online process finishes. Consider using HALT to stop the online process and shut down the nucleus.

In addition, if User Exit 2 is attempting to switch from one dual log to another and if the data set to be overwritten is full, this error will be issued.

Action   Wait a minute or two, then retry the command. If the message recurs, advise your system support personnel. If the message recurs while trying to issue a command in response to a previous error, make a note of that error and the related information for future reference.

ADAN47   **Online DUMP-DB is running, function not executed**

Explanation   A SYNCC, ADAEND, HALT, or CANCEL operator command was issued, but is not permitted during the current online save operation.

Action   Wait until the online save has ended, then retry the command.

ADAN47   **Net-work termination target-node due to conflict**

Explanation   In Entire Net-Work, target node IDs must be unique across all connected systems. If an attempt is made to connect to a target node ID that is not unique, the system terminates abnormally (ADAEND).

Action   Identify the conflicting node IDs and determine which one is to be active under the specified ID number.

ADAN48   **File currently in use - function not executed**

Explanation   A LOCKF, LOCKU, or LOCKX operator command was issued but the file specified is currently in use.

Action   Wait until the file is no longer in use, then retry the command.

ADAN48   **File not loaded**

Explanation   The file specified in the ALOCKF function is not loaded.

ADAN49   **{*userid | jobname*} backed out {during system open | by ADARES }**
                    UID=*communication-id*

Explanation   The last, incomplete transaction of the specified user (or job, if the user is not displayable) has been backed out during Adabas session autorestart or at the end of REGENERATE processing. The user ID (or job name) and communication ID are shown.

                    The user ID is the user's ET-ID. For users without an ET-ID, "ADAEND" is displayed as their user ID.

                    The field following UID= is the last 8 bytes of the 28-byte communication ID of the user in hexadecimal format; that is, the terminal ID for an online user or a STCK time stamp for a batch or TSO user.

Action   None required. This is an information message only. The transaction status of the specified users may need to be checked.

ADAN4A   **TRANS ET-SYNC point**

Explanation   ET-SYNC has occurred for the TRANSACTIONS SUSPEND process. This message is followed by the ADAN4E message.

ADAN4B   **TRANS SUSPEND started TT=***time-limit*

Explanation   All verifications in the nucleus are complete and the SUSPEND process has started. TT
indicates when the transactions will time out. The TT value is derived either from the
TTSYN parameter in the ADADBS TRANSACTIONS SUSPEND TTSYN=nn job or
the nucleus default ADARUN TT setting.

ADAN4C   **Transactions TT rejected**

Explanation   TPC is in effect and there are transactions on PET status. This is followed by the
ADAN4B message displaying the original TT value.

ADAN4D   **TRANS TIMER elapsed**

Explanation   The timer specified by TRESUME in the ADADBS TRANSACTIONS SUSPEND
process has been exceeded. The database returns to normal processing. This message is
followed by the ADAN4F message.

ADAN4E   **Updates stopped. TRESUME=***time-limit*

Explanation   ET-SYNC has occurred for the SUSPEND function and updates are discontinued until
either the RESUME function is issued or the timer specified by TRESUME expires.

ADAN4F   **Normal processing resumes**

Explanation   The database once again accepts and processes update commands as a result of either
the RESUME function or a timeout.

ADAN50   **Excluded files:** *file1 ...*

Explanation   This message documents the files that were excluded from autorestart due to the
ADARUN AREXCLUDE parameter. These files remain unavailable for normal users
and must be recovered (restore - regenerate).

ADAN51   {*operator | aos-user*} **typein:** *command*

Explanation   Adabas repeats the operator command "command" before continuing. The second
message is written for an operator command issued by an Adabas Online System user.

ADAN52   **Partially inverted descriptor {present | released descriptor=*descriptor*, file=*fnr***

Explanation   During session start, the nucleus detected the specified descriptor of the file *fnr* left over
                   from an incomplete online invert operation. If the previous session terminated
                   abnormally, the nucleus automatically releases the incomplete descriptor.

Action   If the nucleus did not release the descriptor and no regenerate on the file in question is
                   to follow, release the incomplete descriptor using the AOS or ADADBS RELEASE
                   function.

ADAN53   **DBID waiting to serialize (*rrrddddd*)**

Explanation   The nucleus is trying to perform an action that only one nucleus or utility can do at a
                   time. Another nucleus or utility is performing a similar action at the moment, so this
                   nucleus must wait. *rrrddddd* identifies the logical resource used for serialization. The
                   resource name comprises three letters followed by five digits representing the database
                   ID. Possible resource names include:

                   ● SSE*ddddd* for serializing nucleus session start and end.

                   ● DIB*ddddd* for serializing DIB updates.

                   ● FST*ddddd* for serializing FST updates.

Action   None required. This message is for information only.

                   If the nucleus hangs after displaying this message, another nucleus or utility is blocking
                   the logical resource specified in the message. Identify the other job and either allow it
                   to continue or terminate it.

ADAN54   **DBID global serialization error (*rrrrrrrr*)**
                   DBID IOR FUNCTION = *x'ff'*, RESPONSE = *x'cc'*

Explanation   An attempt to lock or unlock a logical resource failed. The ADAIOR function number
                   was *ff* (in hexadecimal), its response code *cc* (in hexadecimal). Depending on the
                   circumstances, the nucleus terminates abnormally or ignores the error.

Action   This is an unexpected error. Contact your Software AG technical support
                   representative.

ADAN55   **Recovery data found on work data set(s)**

Explanation   During session start (or, with Adabas nucleus clusters, during online recovery), the
                   Adabas nucleus found recovery data on the Work data set (or Work data sets, in the
                   case of nucleus clusters) that is needed to recover the database from a previous failure.
                   The nucleus performs session autorestart logic.

ADAN56   **Backward repair done**
                  Forward repair done
                  Autobackout done

Explanation   These message lines are printed when the Adabas nucleus finishes a phase of session autorestart (backward repair, forward repair, autobackout). The statistics (block counts and time durations) indicate how much repair and recovery work has already been done and how much remains to be done.

Session autorestart repairs physical inconsistencies in the database, redoing updates belonging to completed transactions and backing out updates belonging to incomplete transactions.

The following is an example of the messages produced. The database ID and actual values shown in the example are variable, depending on the database and situation.

```
ADAN56 dbid backward repair done
ADAN56 dbid work blocks processed    =            887
ADAN56 dbid work blocks remaining    =          1,269
ADAN56 dbid time used so far         =      00000:00:03


ADAN56 dbid forward repair done
ADAN56 dbid work blocks processed    =          1,774
ADAN56 dbid work blocks remaining    =            382
ADAN56 dbid time used so far         =      00000:00:05

ADAN56 dbid Autobackout done
ADAN56 dbid time used so far         =      00000:00:06
```

ADAN57   *various*

Explanation   Various message texts can appear for this message number. The explanation and action
                  for each is given in the following table.

Message Text	Explanation	Action
dbid date time WK4 (DTP) GETMAIN failed	A nucleus with support for distributed transaction processing (DTP=RM) was performing the session autorestart after an abnormal termination. The nucleus was trying to allocate virtual storage for the processing of transactions for which the preliminary ET (PET) but not the final ET (FET) had been given. The storage allocation request failed, probably due to insufficient virtual storage being available to the nucleus address space.	Increase the region size, or decrease the size of a large pool (such as the buffer pool -- LBP), and restart the nucleus.
dbid date time WK4-area (DTP) too small	A nucleus with support for distributed transaction processing (DTP=RM) was performing the session autorestart after an abnormal termination. The nucleus was trying to copy transactions to Work part 4 for which the preliminary ET (PET) but not the final ET (FET) had been given. Work part 4 was too small to keep the protection data for all these transactions.	Increase the LDTP parameter and restart the nucleus.
dbid date time WORK4-index too small Increase the LDTP-parm and rerun DTP=RM nucleus: GETMAIN failed Increase the region size and rerun	An error occurred during nucleus startup at the time of DDWORKR4 interpretation. **Note:** DDWORKR4 must be interpreted before the system autorestart is done.	Adjust the startup JCL as requested in the message so DDWORKR4 is interpreted before the system autorestart and rerun the job.

ADAN58   **Buffer-flush start record detected during autorestart. The nucleus will terminate after autorestart. In case of power failure, the database might be inconsistent because of partially written blocks. Only in this case, repair the database by restore and regenerate; Otherwise restart the nucleus.**

Explanation   An autorestart operation found that a buffer flush was being performed when the action that caused the autorestart occurred; the buffer flush was therefore incomplete. The nucleus completes autorestart processing before terminating.

- If the cause of the autorestart was a power failure, the database may be inconsistent in a way that cannot be repaired by autorestart.

- If the cause of the autorestart was not a power failure, the database has already been made consistent and needs only to be restarted.

Action   If a power failure caused the autorestart and your storage subsystem does not guarantee that no block is partially written, perform the following utility operations to ensure database consistency:

- ADASAV RESTORE (database)

- ADARES REGENERATE

If your storage subsystem technology does guarantee that no block is partially written, even in the case of power failure, there is no need to restore/regenerate after this message is received: simply restart the nucleus.

You may restrict the RESTORE - REGENERATE to the files modified by autorestart (see the ADAN5A message) but be sure to run the REGENERATE FILE with transaction logic (autobackout at the end of the regenerate) by specifying the ADARES parameter CONTINUE.

If the autorestart operation was not caused by a power failure, do not perform the utility operations described above. Simply restart the nucleus.

ADAN59   **Abend UCODE at address [= module+offset]**
register-00 register-01 register-02 register-03 (r0-r3)
register-04 register-05 register-06 register-07 (r4-r7)
register-08 register-09 register-10 register-11 (r8-rb)
register-12 register-13 register-14 register-15 (rc-rf)

Explanation   An internal error occurred that caused the nucleus to terminate abnormally. The message shows the abend code and the address, if possible also the module and offset, where the error was detected, as well as the contents of the general registers at that time.

Action   Contact your Software AG technical support representative.

ADAN5A   **Files modified during autorestart: {none |** *file-list* **}**

Explanation   During nucleus startup, an autorestart was performed that modified the files listed in the message text.

ADAN60   **ARM element** *element-name* **successfully registered/deregistered**

Explanation   The ARM ELEMENTNAME parameter has been specified and the nucleus has successfully registered or deregistered this element with the Automatic Restart Manager (ARM).

ADAN61   **ARM registering /deregistering failed**
                  ARM reason code=X"*xxxx***"**

Explanation   The ARMELEMENTNAME parameter has been specified, but registering or deregistering with the Automatic Restart Manager (ARM) has failed. ARM has returned the reason code shown. The possible reason codes are described in the IBM manual *MVS Programming Sysplex Services Reference*. Common reason codes include:

- X'002C' The ARMELEMENTNAME parameter value is invalid.

- X'013C' The Adabas nucleus has improper SAF authorization to register with ARM.

- X'0150' ARMELEMENTNAME is not unique across the sysplex.

- X'0004' The system does not support ARM.

The nucleus ignores the error and continues processing.

Action   Look up the meaning of the reason code. If this explains the error, correct it. Otherwise, contact your systems programmer or your Software AG technical support representative.

ADAN62   **FNR=*fnr* A= U= ID= CA= CU=**

Explanation   This message is displayed in response to the DNFV operator command.

- FNR supplies the file number

- A is set to either "Y", indicating that the file is being used by access-only users, or blank, indicating that it is not being used by access-only users.

- U is used in the same way as A, but indicates usage by update users.

- ID shows the ID of the database which has exclusive control over the file

- CA provides the count of how many access-only users are using the file.

- CU is the count of how many update users are using the file.

ADAN69   *date time* **BASE AND LOB FILE ARE OUT-OF-SYNC**
BASE FNR=*base-fnr*, UPDATE STATUS=*upd-status1*
LOB FNR=*lob-fnr*, UPDATE STATUS=*upd-status2*

Explanation   A LOB file group consisting of a file with LB fields (base file) and a file containing the associated LB field values (LOB file) has become inconsistent. An illogical sequence of utility operations has exported (saved, restructured, unloaded) the files from, and subsequently reimported (restored, stored, loaded, defined) them into the database in a way that the two files no longer reflect the same point in time during processing.

The base and LOB file have gotten out-of-sync. It is possible that the base file contains references to LB field values that should be, but are not, stored in the LOB file. Also, the LOB file may contain LB field values that should be, but are not, referenced by records in the base file.

Action   Investigate the cause of the base and LOB file getting out-of-sync. Take corrective action, such as reloading or restoring both files, depending on the findings. If necessary, you can use the following function to just mark the two files as being back in sync:

```
ADADBS MODFCB FILE=base-fnr,LOBFILE=lob-fnr
```

ADAN70   **Retry to switch PLOG/CLOG**

Explanation   The nucleus is retrying the attempt to switch PLOGs or CLOGs. The retry is performed when the FEOFPL/CL attempt is made and there is currently no free PLOG or CLOG.

Action   Submit an ADARES PLCOPY or CLCOPY to copy the appropriate data sets.

ADAN75   *date time* **Rsp=***rep-code***, Fnr=***fnr***, ISN=***isn*
                  Cmd=*cc***, Op=**'*cop1*'**, DE=***de-name***, Val=x**'*descriptor-value*'
                  NI-RABN=*index-rabn***, USER=x**'*userid*'

Explanation   The nucleus prints this message to the operator console and DD/PRINT when certain
                  response codes are set. This message is used to inform your database administrator of a
                  potential problem. The nucleus will print the message and then continue processing as it
                  did before.

                  Within the message, the following information is supplied:

Message Value	Description
rsp-code	The Adabas response code being set.
fnr	The number of the Adabas file on which the error condition occurred.
isn	The ISN of the data record on which the error occurred.
cc	The Adabas command code of the command that encountered the error condition.
cop1	The Command Option 1 value of the command.
de-name	The name of the descriptor being processed when the error condition occurred.
descriptor-value	The related descriptor value (in hexadecimal, if it is not printable).
index-rabn	The RABN of the Normal Index block in which the descriptor value was sought or found.
userid	The last eight bytes of the communication ID of the user who issued the command (in hexadecimal, if it is not printable).

Action   No action is required for this informational message.

ADAN76   **I/O-error { ASSO | DATA | WORK } RABN=***rabn-number*

Explanation   The Adabas nucleus detected an internal I/O error.

Action   Contact your Software AG technical support representative.

ADAN77   **Security violation. USER=*userid* JOBNAME+-=*jobname* ETID=*et-id***

Explanation   User *userid* attempted to use a file for which that user is not authorized. The active job
                  is *jobname*.

Action   Refer to the command log entry for the failed command to determine if any corrective
                  action is needed.

ADAN78   **Function extent**
                  Nucleus terminated after { ASSO | DATA } function

Explanation   The function INCREASE or ADD for an Associator or Data Storage extent has been
                  performed by the nucleus. The nucleus terminates and permits the newly added part of
                  the Associator to be allocated and formatted, which is necessary before another Adabas
                  session can be started and the new extent can be used.

Action   Perform the necessary allocation/reformatting utility operations, and then restart the
                  nucleus.

ADAN79   **I/O - error during asynchronous buffer flush ADAIOR-RESP = *hex-resp* the**
                  nucleus terminates with dump

Explanation   An I/O error occurred during asynchronous buffer flush operation. The nucleus ends
                  operation.

Action   Correct the cause of the I/O error.

ADAN7A   **ECS error *error-code* in function *ecs-function***

Explanation   ECS is the Entire Conversion Services, a subsystem of the Adabas universal encoding support (UES) system. This message is written after a function of the subsystem has failed.

Error codes produced by the ECS component are described in *Universal Encoding System (UES) Component Error Codes*.

The following ECS functions may return errors:

ECS Function	Description
ECS LOAD	An error loading ECS. Check that the ECS load module is in the Adabas load library.
COX LOAD	An error loading ADACOX, which is loaded if the database is UES-enabled. ADACOX is the Adabas conversion exit for special conversions.
APS INIT	An error occurred during APS (POSIX Services) initialization. Verify that the APS library is in the load library concatenation and/or that the APS parameters are specified in SYSPARM.
SLIBLOAD	An error loading SAGECS, SAGOVO, or SAGSMP2. Check that these modules from the Software AG base technology library can be found in the load library concatenation.
DDECSOJ	An error occurred during initialization while reading ECS standard conversion objects. Check that the nonexecutable binary ECS conversion object library is specified in the DDECSOJ DD statement of the JCL.
GETHANDLE *nnnn*	An error occurred reading the ECS encoding descriptor object EDDnnnn. Check that the nonexecutable binary ECS conversion object library is specified in the DDECSOJ DD statement of the JCL. Check that EDDnnnn is contained in the library. If it is not, then either an invalid number was specified or the object is missing and must be added.
GETHANDLE *mmmm*/*nnnn*	See the GETHANDLE *nnnn* explanation. In this case, an ECS plane table object (PTO) is missing T*xxx*2*yyy* where *xxx* or *yyy* are the hexadecimal value of the decimal *mmmm* or *nnnn*, respectively. For some conversion combinations, it may be necessary to request additional PTOs from your Software AG support representative.

Action   Resolve the problem and try again.

ADAN7C   **Entire conversion services *v.r.s* initialized**

Explanation   The specified version of Entire Conversion Services was successfully initialized.

ADAN7D   **Collation exit *nn* initialized**

Explanation   The specified collation descriptor user exit was successfully initialized.

ADAN80   **ADABAS dynamic caching environment established**

Explanation   Adabas Caching Facility was successfully initialized.

ADAN80   **ADABAS dynamic caching virtual 64 environment available**

Explanation   Adabas Caching Facility determined that 64-bit virtual storage is available for use.

ADAN80   **ADACSH active for work part 2 and work part 3 only**

Explanation   In an Adabas nucleus cluster environment prior to version 7.2, caching is available only for Work parts 2 and 3.

ADAN81   **Warning: not all blocks of the DB are allocated and formatted - run ADAREP to check the DB's size**

Explanation   The highest RABN of an ASSO or DATA extent, as defined in the GCBs, is not readable. Most likely, an Adabas Online System or ADADBS INCREASE function was performed without allocating and formatting the new database area. The nucleus continues. Any attempt to access an unallocated area of the database causes an I/O error.

Action   Ensure that the defined extents are completely allocated and formatted.

ADAN81   **No statistics available for file *file-number* file not used**

Explanation   An attempt was made to change cache space parameters for a file without first deleting its existing cache space.

Action   Delete the existing cache space for the file; then add a new cache space with the changed parameters.

ADAN81   (see explanation below)

Explanation   This message displays the output of the CSTAT, CFSTAT, and CSUM operator
commands of the Adabas Caching Facility. See the Adabas Caching Facility
documentation for more information.

The CSTAT command is used to display the current cache space statistics. A sample
report display is shown below:

```
+-----------------------------------------------------------+
+ 005 DATA SPACE, DATA, RABNS 81 THRU 135            +
+-----------------------------------------------------------+
+ ALLOCATED, LA=17:04:26                             +
+-----------------------------------------------------------+
+        253 CACHE WRITES  +            47 BLKS IN CACHE +
+         47 READ EXCPS    +       172,032 DATA SPC SIZE +
+        408 CACHE READS   +            55 BLKS/DATA SPC +
+        455 TOTAL READS   +          1320 INDXSPCE SIZE +
+       89.6 DSP EFFICIENCY+       167,936 MAX DSP USED  +
+   0.071810 MAX NIOT (SEC)+      0.698682 MAX EXCPT(SEC)+
+   0.000080 MIN NIOT (SEC)+      0.009600 MIN EXCPT(SEC)+
+   0.000245 AVE NIOT (SEC)+      0.167286 AVE EXCPT(SEC)+
+-----------------------------------------------------------+
```

The CFSTAT command is used for file-level caching to display the current cache space
statistics for one or more files. When file-level caching is active, a report is produced
for each RABN range associated with the file request. A sample report display is shown
below:

```
+-----------------------------------------------------------+
+ FNR 00001 AC CL1 EXT RABNS 91 THRU 93              +
+-----------------------------------------------------------+
+    ALLOCATED, LA=09:55:36                          +
+-----------------------------------------------------------+
+         60 CACHE WRITES  +             0 BLKS IN CACHE +
+          2 READ EXCPS    +    32,767,404 EXTM  SIZE    +
+         52 CACHE READS   +        16,351 BLKS/EXTM     +
+         54 TOTAL READS   +            28 RABN TAB SIZE +
+       96.2 ESP EFFICIENCY+         4,008 MAX ESP USED  +
+   0.001503 MAX NIOT (SEC)+      0.092800 MAX EXCPT(SEC)+
+   0.000018 MIN NIOT (SEC)+      0.092071 MIN EXCPT(SEC)+
+   0.000062 AVE NIOT (SEC)+      0.092435 AVE EXCPT(SEC)+
+-----------------------------------------------------------+
```

The CSUM command is used to display, for a session, the accumulated cache summary
for all active and inactive cache spaces, including statistics from previously deleted
cache spaces. A sample report display is shown below:

```
+-----------------------------------------------------------+
+ A D A B A S DYNAMIC CACHING SESSION SUMMARY          +
+       52.5 CURRENT ADABAS BUFFER EFFICIENCY          +
+        7.2 PROJECTED NON-CACHE BUFFER EFFICIENCY     +
+          3 ACTIVE CACHE SPACES                       +
+          4 CACHE SPACES DEFINED                      +
+ ------------ -----ASSO---- -----DATA---- -----WORK---- +
+ CACHE WRITES       27,367         6,674          212 +
+   READ EXCPS           78           444            0 +
+  CACHE READS       27,288         6,203        4,865 +
+  TOTAL READS       27,366         6,647        4,865 +
+   EFFICIENCY         99.7          93.3        100.0 +
+-----------------------------------------------------------+
```

ADAN82   **Status switch**
               readonly = {yes | no}

Explanation   The READONLY status of the nucleus has been switched. This message occurs as a
                    response to the operator command or Adabas Online System function READONLY.

ADAN83   **status switch**
               utionly = {yes | no}

Explanation   The "utility use only" (UTIONLY) status of the nucleus has been switched. This
                    message occurs as a response to the operator command or Adabas Online System
                    function UTIONLY.

ADAN84   **LP parameter has been increased, additional**
               Protection area blocks are being formatted.

Explanation   The ADARUN LP parameter was increased in the current Adabas session. Therefore,
                    additional Work part 1 RABNs had to be formatted.

Action   None required. Consider increasing the Work data set to ensure that sufficient Work
                    part 3 space is available.

ADAN85   *various*

Explanation   Various message texts can appear for this message number. The explanation and action
                    for each is given in the following table.

Message Text	Explanation
Work part 4 problem detected during startup	During system startup and Work part 4 interpretation of a nucleus defined with DTP=RM, a problem was detected with Work part 4. This message is following by ADAN86.
dbid date time DTP = RM INITIALIZATION PROBLEMS:	A problem was detected during DDWORKR4 interpretation.

Action   Examine error ADAN86 for the cause of the error.

ADAN86   *various*

Explanation   Various message texts can appear for this message number. The explanation and action
for each is given in the following table.

Message Text	Explanation	Action
WK4 I/O error was detected { rabn=__ ior-resp=__ | resp-code=__ subcode=__ }	During system startup and Work part 4 interpretation of a nucleus defined with DTP=RM, a Work part 4 I/O error was detected. This message follows ADAN85 and indicates either the RABN location and ADAIOR response code of the error or the nucleus response code and subcode of the error.	Determine the cause of the error, correct it, and rerun the job.
dbid GETMAIN (TBWK4) failed	If DTP=RM is specified, an additional GETMAIN is needed to allocate the tables used by a DTM=RM nucleus.	Increase the GETMAIN and rerun the job.
dbid File-list pool too small	The UQEFLIST_POOL, an extension of the user queue, is too small to receive all file definitions found on DDWORKR4.	Increase the number of user queue elements using the ADARUN NU parameter and rerun the job.
dbid User-queue too small	The user queue is too small to receive all user queue elements found on DDWORKR4.	Increase the number of user queue elements using the ADARUN NU parameter and rerun the job.
dbid name unequal in the cluster	The DDWORKR4 data set is a container file. All nuclei in a cluster must use the same DDWORKR4 data set. A subsequently started nucleus used an invalid DD statement. The nucleus will not come up.	Correct the DD statement and rerun the job.
dbid nucleus response code detected: RESP-CODE=*rc* , SUBCODE=*sc*	A nucleus response code was detected. The nucleus will go down.	Determine the cause of the error, correct it, and rerun the job.
dbid WORK4 size is diff. to last session BUT/AND IGNDTP not defined	The DDWORKR4 data set size is unequal to the size of the last session, but the data set is not empty.	Correct the DDWORKR4 DD statement and rerun the job.
dbid WORK4 I/O-error: RABN= *rabn* IOR-RESP= *resp*	The nucleus will go down.	Determine the cause of the error, correct it, and rerun the job.
dbid GCB contains WORK4 definition but: DTP=NO, IGNDTP=NO	The nucleus will not come up.	Determine the cause of the error, correct it, and rerun the job.
*dbid*Parameter conflict - MODE=SINGLE but last session run with DTP=RM - DTP=NO but WORKR4 defined	A parameter conflict exists, as described in the message text.	Correct the parameter conflict and rerun the job.

Action   User actions are given in the explanation.

ADAN87   *various*

Explanation Various message texts can appear for this message number. The explanation and action
for each is given in the following table.

Message Text	Explanation	Action
WK4 area too small The nucleus will terminate Increase LDTP parm and rerun	During startup of a nucleus defined with DTP=RM when it is necessary to copy partially completed transactions or during an ADARES REGENERATE for all files, insufficient space was available in Work part 4 to reestablish the previous environment. Because the nucleus cannot reestablish the previous environment and cannot terminate the incomplete transaction(s) heuristically, it terminates.	Increase the size of the Work part 4 area using the ADARUN LDTP parameter and rerun the job.
dbid date time DDWORK4 too small The nucleus will terminate. Rerun with a bigger data set size.	A utility with exclusive database control is running. The nucleus will terminate with this message, followed by the U019 abend dump.	Increase the size of DDWORKR4 and rerun the job.

Action   User actions are given in the explanation.

ADAN88   **(rm=yes) abend**
               dbid date time **(DTP=RM) ABEND**

Explanation During initialization of a nucleus defined with DTP=RM, a logic error was detected
while executing DTP functions.

The nucleus terminates abnormally with abend 19. The registers at entry to the abend
and the load addresses of ADANC0-ADANCB are printed.

Action   Contact your local Software AG technical support representative.

ADAN89   *various*

Explanation   Various message texts can appear for this message number. The explanation and action for each is given in the following table.

Message Text	Explanation	Action
dbid date time DTP support WORKR4 open error WORKR4 I/O-error: RABN=*rabn* WORKR4 close-error	An I/O error occurred for the DDWORKR4 data set.	Check the DDWORKR4 data set or the nucleus JCL definition for DDWORKR4 to identify the problem. Then fix the problem and rerun the job.
dbid date time DTP-database: Heuri. terminated user is moved: *userid*	After a local ADAEND or HALT request was issued against a cluster nucleus, the terminating nucleus has heuristically terminated a prepared transaction (for which the preliminary ET was issued but the final ET still outstanding) and is now moving the affected user to another nucleus in the cluster, in order to allow that nucleus to inform the Adabas Transaction Manager about the heuristic transaction termination. The last 8 bytes of the 28-byte communication ID of the affected user are printed in hexadecimal format.	No action is required for this informational message.
dbid date time DTP-database: HEURISTIC termination occurred due to ET-SYNC request for user or (GLOBAL) ADAEND request	A *prepared* transaction, for which the *preliminary ET* has been issued but the *final ET* is still outstanding, is being heuristically committed, in order to allow an ET-sync process (e.g., at the end of an online save operation) or ADAEND process to complete. The last 8 bytes of the 28-byte communication ID of the affected user are printed in hexadecimal format.	Use the Adabas Transaction Manager Online Services (*http://documentation.softwareag.com/adabas/ada823mfr/addons/atm/services/olsover.htm*) to check what happened to the transaction in the other resource managers involved with it and correct any logical inconsistencies that may have arisen.
dbid date time DTP-database: 2PH-ADAEND : ADAEND is forced	After ADAEND had been requested, one or more *prepared* transactions have been waiting longer than one minute for the *final ET*. Adabas will heuristically commit these transactions and then shut down.	Use the Adabas Transaction Manager Online Services (*http://documentation.softwareag.com/adabas/ada823mfr/addons/atm/services/olsover.htm*) to check what happened to the transactions in the other resource managers involved with them and correct any logical inconsistencies that may have arisen.
dbid date time User heuristically terminated G-TID= *communication-id* XID = *transaction-id* Held ISNs are (FNR/ISN): *fnr/isn-list*	A *prepared* transaction, for which the *preliminary ET* has been issued but the *final ET* is still outstanding, is being heuristically committed or rolled back. The 28-byte communication ID and the internal transaction ID are printed in hexadecimal format. Furthermore, the data records exclusively locked by the transaction, identified by their file number/ISN pairs, are listed.	Use the Adabas Transaction Manager Online Services (*http://documentation.softwareag.com/adabas/ada823mfr/addons/atm/services/olsover.htm*) to check what happened to the transaction in the other resource managers involved with it and correct any logical inconsistencies that may have arisen.

Action   User actions are given in the explanation.

ADAN8A   **file already being cached**

Explanation   The file specified for caching is already being cached by Adabas Caching Facility. This error can occur if you use operator or Adabas Online System commands in an attempt to define different types of memory to cache Associator and Data Storage RABNs of the same file.

Action   It is possible at startup using ADARUN CFILE parameters to specify different types of memory to cache Associator and Data Storage RABNs of the same file. However, once a memory type is set for caching any RABNs of a file, Adabas Online System and operator commands do not allow you to specify any other memory type for the same file. If you want to change the memory type for the file, you must delete the existing cache space and then add a new one with different parameters.

ADAN8B   **Device constants could not be acquired.**

Explanation   ADACSH (Adabas Caching Facility) could not acquire the Constant Set during initialization..

Action   Contact your local Software AG technical support representative.

ADAN8C   **Memory allocation failure or insufficient space available**

Explanation   ADACSH could not acquire space for its working areas. Adabas Caching Facility is not started and the associated message ADAN8H is displayed.

Action   Increase the region, partition, or address space size.

ADAN8D   *zzz* (*aaaa*) **cache active**

Explanation   A RABN range has been activated. This generally occurs when Adabas writes a RABN from its buffer pool to cache storage.

Message Variable	Description
zzz	The type of RABN range ("DSP" for data space; "ESP" for extended memory; "HSP" for hiperspace; "V64" for virtual 64; or "FNR" for file-related)
aaaa	The type of RABN range storage ("ASSO", "DATA" or "WORK")

ADAN8E

Message Variable	Description
zzz	The type of cache space area ("DSP" for data space; "ESP" for extended memory; "HSP" for hiperspace; "V64" for virtual 64)
aaaa	The type of RABN storage: "ASSO", "DATA" or "WORK".

Explanation   ...erspace I/O ...ailable, a RABN ...y. When the ...possible. When ...t to allocate the associated cache space area fails and is not attempted again until at least CRETRY seconds have elapsed.

Action   Increase the region, partition, or address space size.

ADAN8H   **ADABAS dynamic caching is -not- in service**

Explanation   Adabas Caching Facility was not activated due to a previous parameter specification or error condition.

ADAN8J   **CSP *nnn* (*aaaa*) released due to parallel utility operation**
** *xxx* BLKS released due to parallel utility on FNR *y***

Explanation   Depending on the utility, Adabas Caching Facility acted to maintain database integrity by releasing an entire cache space or a number of cache blocks because of a parallel utility operation.

Message Variable	Description
nnn	The cache space number
aaaa	The type of RABN storage: "ASSO", "DATA" or "WORK"
xxx	The number of blocks released
y	The file that owned the released blocks

ADAN8K   *zzz* (*aaaa*) released after exceeding non-activity time limit

Explanation   A cache storage area was released after it was inactive for a continuous elapsed time period of CCTIMEOUT seconds.

ADAN8L   *zzz nnnnn (aaaa)* **active, RABNS** *xxx* **thru** *yyy*

Explanation   This message is displayed whenever a RABN range is activated. This generally occurs
                  when Adabas writes a RABN from its buffer pool to cache storage.

Message Variable	Description
zzz	The type of RABN range ("DSP" for data space; "ESP" for extended memory; "HSP" for hiperspace; "V64" for virtual 64; or "FNR" for file-related)
nnnnn	The file number when *zzz* is "FNR"; otherwise, the RABN range ID
aaaa	The type of RABN range storage ("ASSO", "DATA" or "WORK")
xxx,yyy	The RABN range, with *xxx* representing the starting value and *yyy* representing the ending (and inclusive) value.

ADAN8M   *zzz (aaaa)* **size extended to** *yyy* **bytes**
                  zzz (aaaa) **extension failed**

Explanation   An attempt was made to add an additional cache storage area for a cache space.

Message Variable	Description
zzz	The type of cache space area ("DSP" for data space; "ESP" for extended memory; "HSP" for hiperspace; "V64" for virtual 64)
aaaa	The type of cache space area storage ("ASSO", "DATA" or "WORK")
yyy	The size of new area, in bytes

When the request is successful, the additional storage is available for the cache space
and "yyy" reflects the size of the new area which is equal to the current CASSOMAXS
or CDATAMAXS setting.

If unsuccessful, the system simply uses the storage areas already allocated for the cache
space until CRETRY seconds pass. Then another attempt is made to add a new storage
area for the cache space if this is still required.

Action   Check with the system programmer; the extension failure may be due to insufficient
                  ESA capabilities (memory or page data sets), or too many data spaces or hiperspaces
                  allocated at one time.

ADAN8O   **AOS operator command:** *xxxxx*

Explanation   An Adabas Online System (AOS) operator issued a command to change one of the
Adabas Caching Facility system parameters.

Message Variable	Description
xxxxx	Change as follows: CASSOMAXS=new size CDATAMAXS=new size CCTIMEOUT=new value CDISPSTAT=YES/NO CRETRY=new value CBUFNO=new value CEXCLUDE=exclude list CINCLUDE=include list

ADAN8P   *zzz nnnnn* (*aaaa*) **disabled after exceeding non-activity time limit**

Explanation   Demand caching is in effect and a RABN range or file has been inactive for a period
longer than the CCTIMEOUT specification.

Message Variable	Description
zzz	The type of RABN range ("DSP" for data space, "ESP" for extended memory, "HSP" for hiperspace; "V64" for virtual 64; or "FNR" for file-related)
nnnnn	The file number when *zzz* is "FNR"; otherwise, the RABN range ID
aaaa	The type of RABN range storage ("ASSO" only, "DATA" only, "WORK", or "BOTH" if both ASSO and DATA are cached for the file)

ADAN8Q   **Hiperspace READ/WRITE error. RETCODE = *nn***

Explanation   An error occurred during the processing of a hiperspace cache request. The system
return code from the request (*nn*) is given in the message.

Generally speaking, this error causes a request to write to or read from a hiperspace
cache to fail. In most cases, the system can continue by reading the RABN from disk or
writing, ignoring the request from the nucleus.

However, where Work parts 1 or 2 are being cached 100%, the failure of a request to
return a cached RABN may have more serious consequences because there is no copy
of the RABN on disk and therefore the I/O cannot be satisfied.

Action   Determine if the error was caused by some event or problem in the system that could
impact on hiperspaces used by Adabas Caching Facility. If there is nothing evident,
report the error and the circumstances surrounding the error to your Software AG
technical support representative.

ADAN8R   **Insufficient storage for *xxxx***

Explanation   An attempt to allocate dynamic storage in extended memory failed due to a shortage of
space in extended memory.

Message Variable	One of the following for which the storage was intended:	
xxxx	File table	Table of file control block entries
	File control block	Required for file caching
	RABN extent block	Required to define one RABN extent
	RABN table	Required to described RABNs cached
	RABN table expansion	Required when file becomes larger

Action   Review your storage estimates to insure that there is sufficient storage available for the
parameters specified.

ADAN8R   **Hiperspace WRITE error. RETCODE = nn**

Explanation   The write to hiperspace operation returned a nonzero condition code. The requested
RABN is not written to hiperspace and is flagged as unused.

Action   No operator intervention is required.

ADAN8S   *zzz* (*aaaa*) **allocate failed. RETCODE =** *nn*

Explanation   An attempt to allocate the first storage block for a cache area failed.

Message Variable	Description
zzz	The type of cache space area ("DSP" for data space; "ESP" for extended memory; "HSP" for hiperspace; "V64" for virtual 64)
aaaa	The type of cache space area storage ("ASSO", "DATA", or "WORK")
nn	The return code from the system function used to allocate the storage.

No storage is available for caching the RABNs for which the cache storage allocation was attempted. The situation continues at least until CRETRY seconds have elapsed and another attempt to allocate the storage is made, if required.

Action   Check with the system programmer; the allocation failure may be due to insufficient memory or page data sets or too many data spaces and/or hiperspaces allocated at one time.

ADAN8T   *zzz nnnnn* (*aaaa*) *xxxx* **by** *yyyy* **command**
              zzz nnnnn (*aaaa*) **not** *xxxx* **due to conflicts**

Explanation   An operator command was received and was either successfully completed or not.

Message Variable	Description
zzz	The type of RABN range ("DSP" for data space, "ESP" for extended memory, "HSP" for hiperspace; "V64" for virtual 64; or "FNR" for file-related)
nnnnn	The file number when *zzz* is "FNR"; otherwise, the RABN range ID
aaaa	The type of RABN range storage ("ASSO" only, "DATA" only, "WORK", or "BOTH" if both ASSO and DATA are cached for the file)
xxxx	The operation requested by the command. Valid values are: ADDED CASSOxxx, CDATAxxx, or CFILE command CHANGED CCHANGE command DELETED CDELETE command DISABLED CDISABLE command ENABLED CENABLE command
yyyy	The command requesting operation *xxxx* was issued by either: AOS OPER An Adabas Online System user; or OPERATOR The operator.

Action   If the command was unsuccessful, check DDPRINT for warning messages to determine why the command failed. Alternately, insure that the syntax used for the command is correct.

ADAN8U   *zzz nnnnn* (*aaaa*) **enabled on demand**

Explanation This message is displayed for each inactive RABN range or file that is enabled when
the Adabas buffer efficiency drops below the specified CDEMAND threshold level.

Message Variable	Description
zzz	The type of RABN range ("DSP" for data space; "ESP" for extended memory; "HSP" for hiperspace; "V64" for virtual 64; or "FNR" for file-related)
nnnnn	The file number when *zzz* is "FNR"; otherwise, the RABN range ID
aaaa	The type of RABN range storage ("ASSO" only, "DATA" only, "WORK", or "BOTH" if both ASSO and DATA are cached for the file)

ADAN8V   *parameter list*

Explanation This message is displayed in response to the CPARM operator command. The
parameters displayed are:

Parameter	Description
CASSOMAXS	maximum ASSO cache space size
CDATAMAXS	maximum DATA cache space size
CDISPSTAT	display to console option
CDEMAND	Adabas buffer efficiency threshold
CMAXCSPS	maximum number of cache spaces
CRETRY	retry time interval
CCTIMEOUT	non-activity time limit
CWORKSTORAGE	Work parts 2 and 3 cache type
CWORK2FAC	Work part 2 cache space factor
CWORK3FAC	Work part 3 cache space factor

ADAN8W   **FNR nnnnn (aaaa) synchronized**

Explanation   When Adabas Caching Facility first accesses a RABN belonging to a file to be cached, it learns about the extents and RABNs associated with the file and synchronizes its view of the file with the file's FCB.

If ADASCR detects that the structure of the file has changed (e.g., a new extent is added), ADASCR resynchronizes its view of the file at the next possible opportunity and issues this message.

nnnnn	file number
aaaa	what is being cached for the file (ASSO only, DATA only, or BOTH if both ASSO and DATA are being cached)

ADAN8Y   **File-level caching initialized**

Explanation   File-level caching is active for the current nucleus.

ADAN8Z   **Logic error in ADACSH+*xxxxxxxx***

Explanation   A logic error occurred during Adabas Caching Facility processing.

Action   Report the error and the hexadecimal offset to your Software AG technical support representative.

ADAN90   **TSP GETMAIN failed**

Explanation   The Adabas trigger driver was unable to obtain enough storage within the region or address space to set up its I/O buffers.

Action   Determine the source of the problem and correct it. Try increasing the region size for the MPM.

ADAN91   **TSP GETMAIN failed. Increase REG. size**

Explanation   The Adabas trigger driver was unable to obtain enough storage within the region or address space to set up its I/O buffers.

Action   Increase the region size for the MPM.

ADAN92   **TSP initialization completed**

Explanation   The triggers and stored procedures facility was initialized successfully. Commands for detecting triggers are now processed.

ADAN92   **TSP trigger refresh in progress**

Explanation   A request to refresh the trigger table buffer was made and the Adabas system is being
                   quiesced in order to perform this function.

ADAN93   **TSP has been deactivated via AOS (SYSTRG)**

Explanation   The ADARUN parameter SPT=YES was specified; however, because the database
                   administrator has overridden this using the Adabas triggers subsystem, triggers will not
                   be activated.

Action   To reactivate triggers, access the Adabas triggers subsystem function "modify profile
                   information" (located on the Miscellaneous Functions Menu), and change the triggers
                   status field in the profile to "active".

ADAN93   **TSP cannot be run in single user mode**

Explanation   The Adabas nucleus has been started with SPT=YES and MODE=SINGLE. This is not
                   allowed.

Action   Start the nucleus with MODE=MULTI in the ADARUN parameters (DDCARD), or
                   specify SPT=NO.

ADAN93   **TSP incurred an internal error with cluster**

Explanation   During the startup of the Adabas trigger driver, certain communication must occur with
                   Adabas Parallel Services if it is active. The Adabas trigger driver was unable to
                   complete the communication.

Action   After obtaining a dump, contact your Software AG technical support representative and
                   report the error.

ADAN93   **TSP trigger refresh completed**

Explanation   The trigger table buffer was refreshed. The triggers have been reloaded and the Adabas
                   nucleus will continue to run normally.

ADAN93   **TSP trigger refresh incurred an error**

Explanation   During the refresh of the trigger table buffer, an error occurred. This error was identified by a previous console message. The error causes an inconsistent state in the triggers subsystem that necessitates a shut-down as indicated in the error action option setting in the profile.

Action   Review previous console messages to determine the error. Correct it and, if necessary, restart the nucleus to restart the triggers subsystem.

ADAN94   **TSP unable to read the trigger file FDT**

Explanation   During the triggers initialization process, Adabas needs to read the trigger file FDT; however, the FDT could not be found. As a result, triggers will not be activated.

Action   Determine the reason why the FDT could not be found and correct the problem. Ensure that the file was correctly loaded as a system file.

ADAN95   **TSP unable to read the trigger file FCB**

Explanation   During the triggers initialization process, Adabas needs to read the trigger file FCB; however, the FCB could not be found. As a result, triggers will not be activated.

Action   Determine the reason why the FCB could not be found and correct the problem. Ensure that the file was correctly loaded as a system file.

ADAN96   **TSP incurred resp xxx reading triggers**

Explanation   During the triggers initialization process, Adabas needs to read the entries from the trigger file; however, a nonzero response code was received. As a result, triggers will not be activated.

Action   Determine the source of the problem; that is, analyze the response code and take the necessary action to resolve the problem.

ADAN97   **nucleus will terminate with U021 dump due to internal autorestart failure; CMD=*command*, FILE-NR=*file-number*, RSP=rspcode**

Explanation   The nucleus terminates with a dump due to failure of the internal autorestart.

ADAN98   **TSP unable to find any trigger entries**

Explanation   During the triggers initialization process, Adabas needs to read the entries from the trigger file; however, no valid trigger entries were found in the file. As a result, triggers will not be activated.

Action   Verify that there are triggers defined on the trigger file and that the trigger file is set up correctly; that is, the file is loaded on the database where the error occurred.

ADAN99   **TSP unable to load all trigger entries**

Explanation   During the triggers initialization process, Adabas needs to load the entries from the trigger file into its buffer; however, the size calculated for the buffer is incorrect. The cause could be one of the following:

- triggers were added by some means other than the Adabas triggers subsystem, or

- the buffer size was not calculated or was specified incorrectly. As a result, triggers will not be activated.

Action   Recalculate the size required for the buffer. Issue the NUMBER or CHECK command from the Modify Profile screen to verify that the number is recorded correctly by Adabas Online System. Also check the buffer size specified in the "trigger table size" field in the Adabas triggers and stored procedures profile.

ADAN99   **TSP has ignored triggers gt file *nnnnn***

Explanation   An attempt was made to process triggers that are assigned to file numbers greater than the maximum acceptable file number; that is, the highest loaded file plus 10.

Action   This message is a warning. Triggers should not be assigned to file numbers greater than the maximum file number allowed.

ADAN9A   **TSP CNTL data missing on TRIG file (*nnnnn*)**

Explanation   During the triggers initialization process, Adabas needs to read the profile definition from the trigger file; however, the profile definition could not be found. As a result, triggers will not be activated.

Action   Using the Adabas triggers subsystem, add a profile for the subsystem.

ADAN9B   **TSP unable to read trigger control data**

Explanation   During the triggers initialization process, Adabas needs to read the profile definition
                  from the trigger file. However, an internal error occurred during the read. As a result,
                  triggers will not be activated.

Action   Determine the cause of the error and correct it using the Adabas triggers subsystem.
                  Possibly modify the profile again to ensure that it is correct.

ADAN9C   **TSP could not get work area. Check LWP**

Explanation   During the triggers initialization process, Adabas needs to acquire space for its buffer,
                  but insufficient space was found. This can occur if the value specified for the LWP
                  ADARUN parameter is too small. As a result, triggers will not be activated.

Action   Check the value specified for the LWP ADARUN parameter and increase it as
                  appropriate.

ADAN9D   **TSP no trigger file defined**

Explanation   The Adabas nucleus started with SPT=YES; however, no trigger file exists for this
                  database. As a result, triggers will not be activated.

Action   Either set SPT=NO or load a trigger file that contains at least one trigger definition onto
                  the database.

ADAN9E   **TSP missing module for subsystem**

Explanation   During the triggers initialization process, Adabas needs to start the subsystems for the
                  execution of procedures; however, the name specified was invalid. As a result, triggers
                  has been deactivated.

Action   Check the batch Natural name setting in the Adabas triggers and stored procedures
                  profile. Also ensure that the Natural nucleus module is concatenated in the JCS/JCL
                  startup and is a loadable module.

ADAN9F   **TSP terminated the nucleus due to errors**

Explanation   A serious or fatal error occurred that created an inconsistent state in the system. The
                  nucleus has been shut down.

Action   Review previous console messages to determine the error. Correct it and restart the
                  nucleus to restart the triggers subsystem.

ADAN9F	**TSP has been deactivated due to errors**
Explanation	Triggers incurred one or more errors and has been deactivated. The error action taken depends on the error action setting in the Adabas triggers and stored procedures profile.
Action	Review previous console messages to determine the cause of the errors and correct the problem.

ADAN9H	**TSP subsystem (*nn*) *name* initialized**
Explanation	*nn* is the unique number and *name* is the name of the Natural nucleus subsystem. During the triggers initialization process, a specified number of Natural subsystems will be started for the execution of procedures. This message informs the user of the successful initialization of each subsystem.
Action	No action is required. The subsystem will wait for work.

ADAN9I	**TSP subsystem (*nn*) *name* has abended / SSF error return code *code***
Explanation	*nn* is the unique number and *name* is the name of the Natural nucleus subsystem. The specified subsystem incurred an error and terminated abnormally. The Adabas trigger driver will try three times to restart it. A subsequent message will inform the user of the type of abend.
Action	Determine the cause and resolve the problem. The return code *code* given should provide additional information.

ADAN9J	**TSP subsystem (*nn*) *name* shut down**
Explanation	*nn* is the unique number and *name* is the name of the Natural nucleus subsystem. Either a request was made to shut down the specified subsystem or three consecutive abends have occurred and the Adabas trigger driver has decided to deactivate the subsystem.
Action	Determine the cause and resolve the problem. The return code given should provide additional information.

ADAN9K	**TSP subsystem (*nn*) *name* CQE timed out**
Explanation	*nn*is the unique number and *name* is the name of the Natural nucleus subsystem. During the processing of a trigger, it was detected that the originating command had timed out. The trigger will not be processed successfully.
Action	Retry the command.

ADAN9K   **TSP subsystem (*nn*) *name* canceled**

Explanation   *nn* is the unique number and *name* is the name of the Natural nucleus subsystem. The specified subsystem was canceled when a timeout occurred for a procedure that was executing in the subsystem. The subsystem will be restarted. A previous message gives specifics about the cancellation.

Action   Determine the cause and resolve the problem. The reason code given should provide additional information.

ADAN9K   **TSP requested: *halt***

Explanation   The Error Action field in the Adabas triggers and stored procedures profile is set to *halt*, and either a fatal error occurred or Adabas Online System requested a shut-down of the Adabas triggers subsystem.

Action   Review previous messages to determine whether a problem occurred and, if so, correct the problem.

ADAN9L   **TSP timeout on PROC *proc-name* JOB *jobname* CMD *yy* FNR *nnnnn* FIELD-UID *xxxxxxxxxxxxxxx***

Explanation   The Adabas trigger driver determined that a triggered procedure exceeded the specified time limit. The procedure was canceled so that processing can continue with another procedure and queuing can be prevented. UID is the last 8 bytes of the user ID in hexadecimal, as specified in the UQE.

Action   Check the procedure. Determine if it was looping, is doing too much work, or if the time-out parameter is too low. Correct the problem for the next time.

ADAN9L   **TSP subsystem (*nn*) *name* shut down**

Explanation   *nn* is the unique number and *name* is the name of the Natural nucleus subsystem. The shut-down of triggers has completed successfully. This message is shown for each subsystem.

ADAN9L   ***stored procedure req ** UID xxxxxxxxxxxxxxxx**

Explanation   The Adabas trigger driver determined that a particular stored procedure exceeded the specified time limit. The procedure has been canceled so that processing may continue with another procedure and queuing may be prevented. UID is the last 8 bytes of the user ID in hexadecimal, as specified in the UQE.

Action   Check the procedure. Determine if it was looping, is doing too much work, or if the time-out parameter is too low. Correct the problem for the next time.

ADAN9M   **TSP waiting on UID** *userid*

Explanation   Triggers is shutting down and must queue the subsystems. However, a procedure is still running. The user ID (UID) is provided to help the database administrator investigate a potential problem.

Action   No action is necessary. However, the database administrator may not want the Adabas trigger driver to wait; therefore, the user's procedure may be stopped.

ADAN9N   **TSP subsystem (***nn***)** *name* **canceled**
                  nnnnn* TSP Subsystem(xx***) Triggers:***count*

Explanation   *nn* is the unique number and *name* is the name of the Natural nucleus subsystem. Subsequent to ADAN9N, the Adabas trigger driver decided not to wait for the specified subsystem to complete processing; therefore, the subsystem was canceled.

                  The second line of this message appears during shutdown of TSP databases. It shows the number of triggers used during that nucleus session (*count*).

Action   No action is required for this informational message.

ADAN9O   **TSP subsystem shutdown in progress**

Explanation   Either the nucleus is terminating (ADAEND or HALT) or the triggers and stored procedures facility has requested a halt, probably due to an error, and the Adabas trigger driver has also been requested to shut down.

Action   No action is required. The user is informed that this is in progress.

ADANA1   **SMGT display active DUMP= {on | off}**

Explanation   A display command is about to be processed with (ON) or without (OFF) a formatted dump.

ADANA2   **SMGT {active | not active}**

Explanation   Indicates whether the error handling and message buffering facility is active in the nucleus.

ADANA3   **Abnormal termination handler {active | not active}**

Explanation   Indicates whether the error handling and message buffering facility's abnormal termination handler is active.

ADANA5   **No error conditions handled**

Explanation   The error handling and message buffering facility has not encountered any of the errors it is looking for.

ADANA6   **Last error occurred at: date time**

Explanation   Indicates the date (yyyy-mm-dd) and time (hh:mm:ss) of the most recent error handled by the error handling and message buffering facility.

ADANA7   **Condition: {*mvs-abend-code* | rsp: *rsp-code*} location: *location***

Explanation   Identifies the abnormal termination that has occurred or the response code that has been received and indicates the location (if any) of the most recent error handled by the error handling and message buffering facility. Explanations of z/OS abnormal termination codes can be accessed in the *System Codes Manual* from IBM.

ADANA8   **Count executions of abnormal termination handler**

Explanation   Indicates the number of times an error or abend code is trapped and actually handled by the error handling and message buffering facility.

ADANA8   **Count executions of response code handler**

Explanation   Indicates the number of times a response code is actually handled (that is, a PIN routine is invoked) by the error handling and message buffering facility.

ADANA8   **Count executions of total error recovery calls**

Explanation   Indicates the total number of times the error handling and message buffering facility is invoked to handle a condition (response code or abend code).

ADANA9   **Last error handled by pin pin-number**

Explanation   Indicates the PIN routine invoked by the error handling and message buffering facility to handle the most recent error encountered.

ADANAA   *xxx* **condition PIN routines recovered** *yyy* **errors**

Explanation   Indicates the number of condition-handling PIN routines invoked and the number of errors they recovered.

ADANAB   *xxx* **location PIN routines recovered** *yyy* **errors**

Explanation   Indicates the number of location-only PIN routines invoked and the number of errors
                 they recovered.

ADANAC   *xxx* **response PIN routines recovered** *yyy* **errors**

Explanation   Indicates the number of response-code PIN routines invoked and the number of errors
                 they recovered.

ADANAD   *xxx* **total PIN routines recovered** *yyy* **errors**

Explanation   Indicates the total number of PIN routines invoked and the number of errors they
                 recovered.

ADANAE   **Message buffering is {active | not active}**

Explanation   Indicates whether message buffering in the error handling and message buffering
                 facility is active.

ADANAF   *nnn* **messages in buffer from** *date time*

Explanation   Indicates the number of messages currently in the message buffer and the date
                 (*yyyy-mm-dd*) and time (*hh:mm:ss*) of the oldest message.

ADANAG   **PIN** *nnnn* **uses:** *nnnn* **condition: {***mvs-abend-code* **| rsp:***rsp-code***} {this pin valid for
                 all locations** *routine-name* **| location:** *hexno hexno (routine-name)***}**

Explanation   Provides information about an active (PIN) or inactive (*PIN) routine: the number of
                 times used, the condition it handles (the abnormal termination that occurred or the
                 response code that was returned), and the location(s) for which it is valid. Explanations
                 of z/OS abnormal termination codes can be accessed in the *System Codes Manual* from
                 IBM.

ADANAL   **There are currently no exits in use**

Explanation   The DISPLAY=EXITS command was issued but no exits are currently in use.

ADANAX   **Exit:** *exit-code* **modname:** *exit-module-name* **status: {ACTIVE | ACTIVE CRT |
                 ENACT}**

Explanation   Indicates whether the specified exit is active, active and critical, or inactive.

ADANC1   *dbid yyyy-mm-dd hh:mm:ss* **Caution: DDCLOGR*n* dataset not yet copied**

Explanation   The nucleus detected that there is one or more CLOG data set that needs to be copied and the LOGWARN timer has expired. One message will occur for each data set that needs to be copied.

Action   Check the status of the CLCOPY jobs affecting the oldest CLOG to be copied to determine why the copy has not worked correctly or in a timely fashion. If necessary, make corrections and resubmit the job. If all CLOG data sets become full, your nucleus may stall waiting for a free CLOG.

ADANC2   *dbid yyyy-mm-dd hh:mm:ss* **CLOG warning no longer in effect**

Explanation   All CLOG data sets have now been copied.

Action   No action is required for this informational message.

ADANC3   *dbid yyyy-mm-dd hh:mm:ss* **Command logging has stalled**

Explanation   There are no free command log data sets. The nucleus is unable to write command log data. This also prevents Adabas from executing commands and the environment may appear to be completely stalled.

Action   Check the status of the latest CLCOPY jobs, concentrating on the jobs affecting the oldest CLOG to be copied. If necessary, make corrections and resubmit the jobs.

ADANC4   *dbid yyyy-mm-dd hh:mm:ss* **Command logging has resumed**

Explanation   Command logging has resumed after a stalled situation. An ADANC3 stalled message should have appeared sometime before this message.

Action   No action is required for this informational message. The crisis of stalled command logging has been resolved.

ADANI2   **SMGT abend handler active**

Explanation   Indicates that the abnormal termination handler of the error handling and message buffering facility is active.

ADANI4   **GETMAIN failed for exit table**

Explanation   Not enough memory is available to run the error handling and message buffering facility. Adabas runs without the facility.

Action   Increase the region size available to the Adabas nucleus.

ADANI5   **GETMAIN failed for initial PIN area**

Explanation   Not enough memory is available to run the error handling and message buffering
                    facility. Adabas runs without the facility.

Action   Increase the region size available to the Adabas nucleus.

ADANL0   **Error opening license file (DDLIC)**

Explanation   An error occurred opening the license file specified by the DDLIC statement.

Action   Omit the DDLIC statement and use the load module method of licensing instead.

ADANL1   **License file size exceeds limit**

Explanation   The license being read is larger than expected (8000 bytes).

Action   Verify that you are using the original license file obtained from Software AG.

ADANL2   **Error reading license file**

Explanation   An empty file or invalid record structure was detected.

Action   Verify that the license file has been copied correctly to the license data set. The file
                    should not be empty and the data should not have been converted to EBCDIC (it should
                    be in ASCII format).

ADANL3   **Error license function *fx* subfunction *sfx* returned *err***

Explanation   An unexpected error occurred while performing the Adabas license check.. The license
                    function (*fx*), subfunction (*sfx*) and return code (*err*) are given in the message.

Action   Examine the Adabas nucleus JCL and verify that the Adabas license is available as load
                    module ADALIC or is assigned with the link (DD) name DDLIC.

ADANL4   **License module could not be loaded**

Explanation   The license processor module could not be loaded.

Action   Verify that the modules from the MLC*vrs* load library can be loaded by the Adabas
                    nucleus.

ADANL6   **License check failed**

Explanation   The license file is physically correct, but some license property was found that did not match your Adabas nucleus execution environment. This is a final message, accompanied by another message specifying details of the failure. The Adabas nucleus is started.

Action   Contact your Software AG sales representative to resolve the discrepancy between your license file and your execution environment.

ADANL7   **License check completed**

Explanation   The license check completed successfully and the Adabas nucleus is started.

Action   No action is required for this informational message.

ADANL9   **ADALIC license could not be loaded**

Explanation   The ADALIC license module could not be loaded.

Action   Verify that the installation of the license file occurred correctly. For more information, read about the Adabas database installation steps for your operating environment. If problems persist, contact your Software AG technical support representative for assistance.

ADANN1   **NWCONNECT RSP/ *rsp* // *subcode*// *node*/***

Explanation   The NWCONNECT operator command received an unexpected response when attempting to define the DBID target to Entire Net-Work. The response and subcodes given in the message are from Entire Net-Work. Depending on the error, the Entire Net-Work node name may also appear. The most common response codes are 148 (ADARSP148 - Entire Net-Work not available) and 145 (ADARSP145 - target already defined on another Entire Net-Work node).

Action   Resolve the Entire Net-Work problem. If the problem persists, contact your Software AG technical support representative for assistance.

ADANO1   **Invalid SMGT cmd: *command***

Explanation   The operands on an SMGT command were invalid.

Action   Correct the operands and reissue the command.

ADANO2   **SMGT command processed**

Explanation   The error handling and message buffering facility finished processing a command.

ADANO5   **SMGT not currently active**

Explanation   The error handling facility must be active (SMGT=ON) before the command can be issued. The command issued can be found in the ADANO1 message immediately following the ADANO5 message.

Action   Activate the error handling facility and reissue the command.

ADANP1   *dbid yyyy-mm-dd hh:mm:ss* **Caution: DDPLOGR*n* dataset not yet copied**

Explanation   The nucleus detected that there is one or more PLOG data set that needs to be copied and the LOGWARN timer has expired. One message will occur for each data set that needs to be copied.

Action   Check the status of the PLCOPY jobs affecting the oldest PLOG to be copied to determine why the copy has not worked correctly or in a timely fashion. If necessary, make corrections and resubmit the job. If all PLOG data sets become full, your nucleus may stall waiting for a free PLOG.

ADANP2   *dbid yyyy-mm-dd hh:mm:ss* **PLOG warning no longer in effect**

Explanation   All PLOG data sets have now been copied.

Action   No action is required for this informational message.

ADANP3   *dbid yyyy-mm-dd hh:mm:ss* **Protection logging has stalled**

Explanation   There are no free protection log data sets. The nucleus is unable to write protection log data. This also prevents Adabas from executing update commands which could eventually lead to a complete stall of the environment.

Action   Check the status of the PLCOPY jobs, concentrating on the jobs affecting the oldest PLOG to be copied. If necessary, make corrections and resubmit the jobs.

ADANP4   *dbid yyyy-mm-dd hh:mm:ss* **Protection logging has resumed**

Explanation   Protection logging has resumed after a stalled situation. An ADANP3 stalled message should have appeared sometime before this message.

Action   No action is required for this informational message. The situation of stalled protection logging has been resolved.

ADANR1   **SMGT handling condition: {*mvs-abend-code* | rsp: *rsp-code* }**

Explanation   The error handling facility has been invoked for the specified condition. Note that explanations of z/OS abnormal termination codes can be accessed in the *System Codes Manual* from IBM.

ADANR2   **Error is in {user | hyper} exit *xx*, exit disabled**

Explanation   An error occurred in the specified, noncritical exit. The exit is not invoked until the error is corrected.

Action   Consult diagnostic messages; correct the exit; reload the exit using the SGMT,XLOAD command; then reactivate the exit using the SGMT,XACT command.

ADANRP   **PSW: *hexno hexno hexno hexno***

Explanation   Displays the PSW when the error was encountered.

ADANRR   ***ry-ry hexno hexno hexno hexno***

Explanation   Displays the registers when the error was encountered.

ADANRS   **Response *rspc/subc* when posting commands in cluster**

Explanation   An unexpected response / subcode occurred when trying to post commands waiting for advance-locks in a cluster environment.

Action   Ensure that the communication between the cluster nodes works.

ADANRT   **Condition is a *error-type* error**

Explanation   The error handling facility is handling an error of the specified type.

ADANS1   **SNAP file unavailable**

Explanation   The nucleus startup JCL did not define a data set to hold a formatted hexadecimal dump of an area in memory, either an address space or a data space.

To use the error handling and message buffering facility's SMGT,DUMP={ON| OFF } or SMGT,SNAP[=(start,end)] command successfully, the data set ADASNAP must be defined in the Adabas startup JCL.

Action   Stop the Adabas session; add the required statement to the startup JCL, and start a new session.

ADANS4   *Nucleus storage above the 2gig bar is [NOT] backed by large pages*

Explanation   Two different messages may appear using this message ID, depending on whether the word NOT appears in the message text. These messages appear because the LARGEPAGE ADARUN parameter was set to "YES" and the messages indicate the ability of your operating system to support them.

If the message indicates that nucleus storage above the 2 gigabyte bar is *NOT* backed by large pages, the LARGEPAGE ADARUN parameter was set to "YES", but either the system does not support large pages or insufficient 1-megabyte pages were available to support the request.

If the message indicates that nucleus storage above the 2 gigabyte bar *is* backed by large pages, the LARGEPAGE ADARUN parameter was set to "YES", and is fully supported by the operating system.

Action   If the message indicates that nucleus storage above the 2 gigabyte bar is *NOT* backed by large pages, consider the following actions:

- If your system does not support large pages, do not use the LARGEPAGE ADARUN parameter. Remove it from your nucleus startup JCL and restart the nuclei

- If your system does support large pages, consider increasing the number of 1-megabyte pages specified for your operating system using the LFAREA parameter in PARMLIB member IEASY*xx*. Contact your system administrator for assistance. For more information, read your IBM *MVS Initialization and Tuning* documentation.

If the message indicates that nucleus storage above the 2 gigabyte bar *is* backed by large pages, no action is required for this informational message.

ADANT1   **SMGT {activated | deactivated}**

Explanation   Indicates a change of status in the error handling and message buffering facility.

ADANT2   **Message buffering {activated | deactivated}**

Explanation   Indicates a change of status in message buffering.

ADANT4   **Abnormal termination handler {activated | deactivated}**

Explanation   Indicates a change of status in the abnormal termination handling or the error handling and message buffering facility.

ADANT5   **GETMAIN failed for PIN descriptors**

Explanation   Not enough memory was available to add new PINs. Adabas runs without the PIN
                 module.

Action   Increase the size of the region available to the Adabas nucleus.

ADANT6   **Module *module-name* load failed**

Explanation   Unable to load the specified module. The error handling and message buffering facility
                 runs without the module.

Action   Ensure that the module is available to the error handling facility by placing it in the
                 Adabas program library.

ADANT7   **Invalid exit *exit-code***

Explanation   The exit-code indicated in the message is not a valid code, or is not in the correct state
                 for the command requested. Adabas rejects the command.

Action   Ensure that the exit-code is correct. If it is, ensure that the exit is in a state that allows
                 the requested command.

ADANT8   **Exit *exit-code* in use module(*module-name*)**

Explanation   The exit-code specified in the message indicates an active exit. Adabas rejects the
                 command.

Action   Ensure that the exit-code is correct. If it is, ensure that the exit is in a state that allows
                 the requested command.

ADANT9   **No module name for exit load**

Explanation   Adabas cannot load the exit without the name of the module. Adabas rejects the
                 command.

Action   Retype the SGMT,XLOAD command and include a member name for the exit.

ADANTA   **Exit *exit-code* not loaded**

Explanation   A command that requires an exit cannot be processed because the exit is not loaded.
                 Adabas rejects the command.

Action   Ensure that the exit-code is correct. If it is, load the exit.

ADANTB   **exit *exit-code* module *exit-module-name* status: {active | inact | loaded | crit | notcrt}**

Explanation   The status (active, not active, loaded, critical, or not critical) of an exit changed as a result of an operator command, and this messages provides the details.

ADANTC   **Invalid SNAP parameters**

Explanation   The parameters provided for a SNAP command are invalid. Adabas rejects the command.

Action   Ensure that the addresses provided to the SNAP command are correct.

ADANTD   **PIN routine *pin-number* disabled**

Explanation   The specified PIN routine has been disabled.

ADANTE   **PIN routine *pin-number* not found**

Explanation   The PIN routine for the previous command was not found. Adabas rejects the command.

Action   Ensure that the PIN routine is correct and reissue the command.

ADANTF   **PIN routine *pin-number* enabled**

Explanation   The specified PIN routine has been enabled.

ADANTG   **PIN module *module-name* loaded**

Explanation   The specified PIN module has been loaded.

ADANTH   **PIN module *module-name* deleted**

Explanation   The specified PIN module has been removed from memory.

ADANTI   **PIN module *module-name* not {found | valid}**

Explanation   The PIN module for the previous command is not available. Adabas rejects the command.

Action   Ensure that the PIN module name is correct, and that the PIN module is in the Adabas library; then reissue the command.

ADANTJ   **{ FULL | SNAP } dumps taken for events**

Explanation   Indicates whether a full dump or a snap dump is taken.

ADANTM   **Message buffering unable to activate**

Explanation   Message buffering cannot be activated.

Action   Add the MSGBUF= parameter to the initial ADARUN parameters.

ADANX1   **Command** *cmd* **Command-ID** *hex-cid* **FNR** *file-number* **Response** *rsp-code* **Subcode** *rsp-subcode* **FLD** *field-name* **TID** *hex-internal-userid* **UID** *open-userid* **JOB** *jobname*

Explanation   Format of the diagnostic information produced by the Adabas PINRSP or PINUES routine. The PINRSP routine will produce only the cmd, hex-cid, rsp-code, and rsp-subcode information.

ADANY1   **Adabas must be run from an authorized environment**

Explanation   The PIN ADAMXY detected a S047 abend.

Action   Run Adabas from an authorized load library.

ADANY4   **Error occurred in routine:** *routine-name*

Explanation   The PIN ADAMXY determined that the particular error is in the identified routine.

Action   Refer to the appropriate operating system documentation for a description of the system abend that occurred.

ADANZ1   **Adabas SMGT terminated**

Explanation   Adabas is in the process of termination, and the error handling and message buffer facility functions have been terminated.

ADEN1   **Invalid control string:** *string*

Explanation   Adabas Online System internal error.

Action   Contact your Software AG technical support representative.

ADONIS1   **Load failed on SMGT module** *module-name*

Explanation   A load module for the error handling and message buffering facility could not be
                 loaded. Adabas runs without the facility.

Action   Ensure that all modules for the error handling and message buffering facility installed
                 with Adabas are still in the distributed library. If modules are missing, restore a copy of
                 the module from a backup and apply any maintenance.

ADATCP Messages (Prefix ADACM)

The ADATCP component displays several information or error messages on the system console.

Overview of Messages

```
ADACM006E | ADACM007E | ADACM008E | ADACM009E | ADACM010E | ADACM011I |
ADACM012E | ADACM013E | ADACM014E | ADACM015E | ADACM016E | ADACM017I |
ADACM018E | ADACM019E | ADACM020E | ADACM021E | ADACM022E | ADACM023E |
ADACM024E | ADACM025E | ADACM026E | ADACM027E | ADACM028E | ADACM029E |
ADACM030E | ADACM031E | ADACM032E | ADACM034E | ADACM035E | ADACM036E |
ADACM037E | ADACM038E | ADACM039E | ADACM040E | ADACM041E | ADACM042E
```

ADACM006E   **Unable to load PABNKERN**

Explanation   The essential module PABNKERN found in the internal product APS (porting
                 platform) is not available to Adabas.

Action   Add the APS*vrs*LOAD library to your job's STEPLIB.

ADACM007E   **Parm error**

Explanation   One of the parameters passed within the URL was incorrect.

Action   Ensure that the URL includes valid values for all required elements: the API name
                 (protocol), stack ID, and port number. Correct the URL and try again.

ADACM008E   **Invalid value in PORT= parameter**

Explanation   The port that was specified in the URL was not valid.

Action   The port number can be 1-5 bytes; it cannot be zero (0) or greater than 65535.

ADACM009E   URL=*url* already {active | closed}

Explanation   Either the URL is already opened (ACTIVE) or already closed (CLOSED).

Action   Ensure that the URL includes valid values for all required elements: the API name (protocol), stack ID, and port number. Correct the URL and try again.

ADACM010E   URL=*url* not found

Explanation   The URL itself was not found.

Action   Ensure that the URL includes valid values for all required elements: the API name (protocol), stack ID, and port number. Correct the URL and try again.

ADACM011I   URL=*url* has been {closed | opened}

Explanation   The URL was successfully closed or opened.

ADACM012E   The network is down

Explanation   ADATCP cannot be started because the network is not active.

Action   Check that the stack specified in the URL is active. If it is, contact your systems administrator.

ADACM013E   No buffer space is available

Explanation   No buffer space is available to ADATCP to allocate its control blocks.

Action   Ensure that sufficient storage is available on the system.

ADACM014E   The link has been severed

Explanation   An error caused TCP/IP or ADATCP to terminate.

Action   This message is issued along with another message that explains the reason for the termination. Refer to the other message.

ADACM015E   TCP/IP is not installed or active

Explanation   The TCP/IP stack specified in the URL is not installed or not active.

Action   Check that the specified URL is the one intended. If so, either install the specified stack or start it.

ADACM016E   The socket descriptor table is full

Explanation   The maximum number of socket descriptors has been reached: no more sockets can be created.

Action   Increase the maximum number of sockets that can be created.

ADACM017I   TCP/IP has terminated

Explanation   Unless this message is accompanied by an error message, TCP/IP has terminated normally.

Action   If an error message accompanies this message, refer to that message. Otherwise, this message is for information only.

ADACM018E   The API cannot locate the TCP/IP specified

Explanation   The stack specified in the URL is not valid: TCP/IP cannot initialize.

Action   Ensure that the stack is available on the system and that it is active.

ADACM019E   The TCP/IP name specified is not valid

Explanation   The TCP/IP name specified in the URL is not valid.

Action   Check that the URL contains the correct stack name. If so, ensure that the stack is available on the system and that it is active.

ADACM020E   TCP/IP failed to load

Explanation   The TCP/IP stack specified in the URL cannot be initialized.

Action   Ensure that the TCP/IP stack specified is correct and that it is active. If it is correct and active, contact the systems administrator.

ADACM021E   Unable to allocate storage for SOCKETCB

Explanation   ADATCP is unable to allocate the necessary storage.

Action   Ensure that adequate storage is available on the system.

ADACM022E   **Invalid operating system for api=*apiname***

Explanation   The API shown in message is not supported on the current operating system.

Action   The only APIs currently supported are OES, HPS, and Computer Associates'
Unicenter TCPaccess Communications Server (ILK).

ADACM023E   **Unable to initialize TCP/IP interface**

Explanation   The TCP/IP stack specified in either the URL or the protocol that was used is invalid.

Action   Check that the URL or protocol contains the correct stack name. If so, ensure that the
stack is available on the system and that it is active.

ADACM024E   **Unable to get a socket**

Explanation   The system is unable to create a new socket. This may be caused by an incorrect
stack. If an error number accompanies this message, it will inform you if the problem
is inadequate system resources (ENOBUFS) or access denied (EACCES).

Action   Ensure that the correct stack is being used. If the problem is inadequate system
resources, contact your systems administrator. Contact your security administrator for
system access problems.

ADACM025E   **Unable to bind socket to local system**

Explanation   ADATCP was unable to bind the socket to the local system. Another application may
be using the port specified in the URL.

Action   Use the "Tso netstat" command to check current use of the specified port. If
something else is using the port, terminate ADATCP and change the port in the URL.

ADACM026E   **Unable to accept connections**

Explanation   ADATCP is unable to accept connections from client applications. This may indicate
a shortage of buffer space or that the maximum number of socket descriptors have
already been created/opened.

Action   Ensure that adequate buffer space is available to the system. If necessary, increase the
maximum number of sockets available to the system.

ADACM027E   **Unable to listen for new connections**

Explanation   ADATCP is unable to listen for new connections. This usually indicates that the system resources available to complete the call are inadequate. If an error number is supplied with this message, it will help to identify the problem.

Action   If system resources are inadequate, contact your systems administrator.

ADACM028E   **Unable to set SOCKOPT REUSEADDR option**

Explanation   An attempt to allow currently used local addresses to be bound failed. This may indicate inadequate system resources. If an error number is supplied with this message, it will help to identify the problem.

Action   If system resources are inadequate, contact your systems administrator.

ADACM029E   **Unable to give socket to new thread**

Explanation   ADATCP was unable to give control of a socket to a different process. This error occurs only if there is a problem with the socket itself. If an error number is supplied with this message, it will help to identify the problem.

ADACM030E   **Unable to create a new thread**

Explanation   The system was unable to create a new thread. This indicates inadequate system resources or memory to create the thread.

Action   Contact your systems administrator.

ADACM031E   **Unable to close the requested socket**

Explanation   ADATCP attempted to close a socket that was being used by another thread in the same process. This occurs only when the system is terminating due to some other error.

Action   Check the console for other messages.

ADACM032E   **Unable to MALLOCstorage**

Explanation   ADATCP was unable to allocate storage. This may indicate that inadequate storage is available on the system.

Action   Contact your systems administrator.

ADACM034E   **Unable to receive data**

Explanation   ADATCP cannot receive data from a client. This may indicate that the connection between ADATCP and the client has been severed during a transaction or that system resources are inadequate to complete the call. The error number supplied with this message will identify the problem.

Action   Contact your systems administrator.

ADACM035E   **Unable to take the socket**

Explanation   The process that send requests to and from Adabas was unable to take control of the socket that was passed to it by the listening task.

Action   Check the error number and the return code that accompany this message.

ADACM036E   **Unable to set the cancel type**

Explanation   The main request task is unable to set the cancel type for the thread that is currently running.

Action   Check the error number and the return code that accompany this message.

ADACM037E   **Unable to send data**

Explanation   ADATCP is unable to send data from a client. The error number issued with this message indicates whether the problem is a severed connection between ADATCP and the client or insufficient system resources to complete the call.

Action   Check the error number issued with this message.

ADACM038E   **Unable to close the socket**

Explanation   ADATCP attempted to close a socket while it was being used by another thread in the same process. This occurs if the system has tried to terminate due to another error.

Action   Check for other messages issued to the console.

ADACM039E   **Context table full**

Explanation   The number of connections has reached a predefined limit; no entries can be added to the user context table.

Action   Increase the ADARUN NU parameter value to the required number of entries and restart ADATCP.

ADACM040E **Bad Message Length - > 1M**

Explanation A message was received with a length greater than 1,048,576 bytes.

Action Contact your Software AG support representative for assistance.

ADACM041E **Bad Message Identifier (SAG)**

Explanation A message was received with a bad identifier in the message header.

Action Contact your Software AG support representative for assistance.

ADACM042E **ACBX call with more than 250 ABDXs received**

Explanation An ACBX interface Adabas call was received that contained more than 250 ABDs. The maximum number of ABDs allowed is 250. The call is rejected with response code 253 (ADARSP253).

Action Change the application to make ACBX calls with fewer than 250 ABDs. Contact your Software AG support representative for assistance.